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File: DWPI

Dec 12, 1991

DERWENT-ACC-NO: 1992-036211
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TITLE: Acrylic! pressure sensitive adhesive compsn. - contg. aziridine cpd. having at least two aziridinyl gps. and acrylic! resin of alkyl acrylate!(s), vinyl monomers

PATENT-ASSIGNEE: SEKISUI CHEM IND CO LTD (SEKI)

PRIORITY-DATA: 1990JP-0084687 (March 29, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 03281585 A	December 12, 1991		000	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP03281585A	March 29, 1990	1990JP-0084687	

INT-CL (IPC): C09J 133/04

ABSTRACTED-PUB-NO: JP03281585A

BASIC-ABSTRACT:

Acrylic adhesive compsn. contains (A) acrylic resin and (B) aziridine cpd. having at least two (substd.) aziridinyl gps.. (A) is a copolymer consisting mainly of alkyl acrylate(s) and functional vinyl monomer(s) and has a wt. average mol. wt. of 200,000-500,000, a glass transition temp. of lower than -45 deg C, a gel content of 50-80 wt% and a swelling ratio of 40-150.

(A) is a copolymer of 50-99.9 wt% of 4-12C alkyl acrylate(s), 0.1-15 wt% of functional monomer(s) having hydroxyl, carboxyl, methylol or acid amide gps. and 0-44.9 wt% of other monomer(s) like lower alkyl (meth)acrylates, styrene and vinyl acetate. (B) has at least two of aziridinyl gps. of formula (I), (where R is H or 1-4C alkyl, or derivs.). Examples of (B) are N,N'-hexamethylene- 1,6-bis(1-aziridine-c arboxamide), trimethylolpropane-tri- beta-aziridinylpropionate and bisisophthaloyl-1-(2-methylaziridine).

USE/ADVANTAGE - The acrylic pressure sensitive adhesive compsn. is suitable for mfg. acrylic pressure sensitive adhesive labels, tapes and sheets. Adhesive compsn. keeps a well balanced high level of both cohesion and tackiness in a wide temp. range from a low temp. to a high temp..

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EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A14 A81 E13 G03

CPI-CODES: A04-F06E6; A08-C09; A12-A01; A12-A05B; A12-A05B1; E07-D01; G03-B02D; G03-B02D1; G03-B04;